



Q86151.ST25.txt
SEQUENCE LISTING

<110> N. J. Frei Corporation
<120> Primer and probe for detecting *Vibrio vulnificus* and detection method using the same
<130> Q86151
<140> US 10/524,860
<141> 2005-02-18
<150> PCT/JP2003/010846
<151> 2003-08-27
<160> 20
<170> PatentIn version 3.3
<210> 1
<211> 885
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: consensus sequence of the *gyrB* gene of the cluster to which *Vibrio vulnificus* belongs
<400> 1
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ctrytkacga ttcattcgtg tggtcatacy cayagccaaa cctatcgtca tgggtgtgcct 120
gatgcaccgc ttgtatcat cggygatacy gaaaaaaccg gtaccacggt acgtttctgg 180
ccaagtgcks aaaccttcas caacatcgaa ttctattatg acatcctagc gaagcgtyta 240
cgtgagctct ctttyctgaa ctckggcgtg tckatcaaac tgtttgatga gcgcgaagaa 300
gataagraag atcacttcat gtatgaaggt ggtattcaag cgtytytyac tcacttgaac 360
cgcaacaara cmcccatcca tgaaaaagta ttccatttya aykcygagcg tgaagacggk 420
attgckggtg aagtggcgat gcagtggaac gatggyttcc aagaaaacat ctactgtttt 480
accaacaaca tcccacagcg tgaygggtgg acccacttag cgggttttccg ygcggcattg 540
acgcgcacay tgaacagcta catggacaaa gaaggytact craagaaagc gaaaaccgcg 600
acttctggyg aygatgcgcg tgaaggtttg acygcwgtyg tttcagthaa agtrccggat 660
ccaaaattct caagccaaac yaaagacaaa ctggttttcta gygaagtraa gtccgcagtg 720
gaatccttca tggcagacaa actgaacgac ttcttrgcyg arcaccaag cgaagcgaaa 780
accgtttgtt ctaagattat cgacgccgca cgtgcgcgtg aagcagcrgc taaagcgcgt 840
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<210> 2
<211> 819
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of the rpoD gene of the cluster to which *Vibrio vulnificus* belongs

<220>

<221> misc_feature

<222> (280)..(285)

<223> n is a, c, g, or t

<400> 2

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actcgtgaag gcgaaatcga catcgctaam cgaattgaag atggtatcaa ccaagtacag      60
tcstctgttg ctgaataccc aggaaccatt ccttatattc tkgaacagtt cgacaaagta      120
caagcggaag aacttcgcct mactgatctt atcagtggtt ttgttgatcc aaatgcagat      180
gaaacggcwg ctccaaccgc aacacacaty ggttcagagc ttgcagaatc tgatttgga      240
gatgaagaca ayaccgacat cgacgatgaa gacgaagayn nnnnngaaga tggcgattca      300
agcagygatt cagaggamga tgtcggcatc gaccctgaaa tggcgctaga gaagttyact      360
carcttcgta acagctayca gaatctgcaa cttgccktra atgaacatgg tcgagagagt      420
gctcaaacag ctcaagccca tgaactgatg ctcgatgtgt ttaaagagtt tcgtctaacd      480
ccgaagcagt ttgaccattt ggttaacgaa cttcgcaccg cyatggatcg cgttcgtack      540
caagarcgyt tgatcatgaa rtctgcggtg gaaatcgcsa aratgccraa gaartcktty      600
atygcwctct tyactggcaa cgartcwarc gaagaatggg tagatmagat cctmgyytct      660
gayaagccrt acgyagaaaa gatyaarctk cacgaagaag acattcgtcg ttcaatcdcc      720
aagctaagag caattgaaga agaaacgtcg ctttcagtra rcaacatcaa agacatcagc      780
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<210> 3

<211> 648

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of the recA gene of the cluster to which *Vibrio vulnificus* belongs

<220>

<221> misc_feature

<222> (330)..(330)

<223> n is a, c, g, or t

<400> 3

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cttgagctga tcgctgcrgc tcaacgtgaa ggcaaaactt gtgcgtttat cgatgcygag      120
cacgcgttrg atcctgtgta tgcgaagaar cttggcgtwa atatcgacca rtrtttggtg      180

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tctcagccyg ayacbggtga acaagcrttg gaaatctgtg atgckcttgc tgcctcaggk	240
gcggttgayg ttattgttgt cgaytctgtk gcmgcattga crccaaaggc agaaatygaa	300
ggtgagatgg gygaytcgca catgggtctn caagctcgta tgctmtctca agcgatgcgt	360
aagytaacgg gkaacctaaa rcagtctaac tgtatgtgta tcttcatyaa ccagatycgt	420
atgaagatyg gkgatgatgtt tggtaaycca gaaaccacaa crggtggtaa cgcwctgaaa	480
ttctacgctt ctgtwcgtct tgatattcgc cgtactgggtg cratcaaaga aggygatgag	540
gtmgtgggta aygaaacgcg yatcaaagtg gtgaagaata agatcgctgc gccgtttaa	600
gaagccaaya cycaaattat gtayggccar ggcwtttaacc gygaaggy	648

<210> 4
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 4
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<210> 5
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 5
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<210> 6
 <211> 18
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: primer

<400> 6
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<210> 7
 <211> 19
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: primer

<400> 7

gtccatgtag ctgttcart

19

<210> 8
 <211> 21
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<220>
 <223> Description of Artificial Sequence: primer

<400> 8
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21

<210> 9
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 9
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19

<210> 10
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 10
 gttcgacaaa gtacaagcg

19

<210> 11
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer

<400> 11
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<210> 12
 <211> 16
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: primer

<400> 12
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16

Q86151.ST25.txt

<210> 13
 <211> 19
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 <220>
 <223> Description of Artificial Sequence: primer

 <400> 13
 cktraatgaa catggtcga 19

 <210> 14
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 <220>
 <223> Description of Artificial Sequence: primer

 <400> 14
 gaactgatgc tcgatgtgtt t 21

 <210> 15
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 <223> Description of Artificial Sequence: primer

 <400> 15
 aatgtcttct tcgtgmagyt 20

 <210> 16
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 <220>
 <223> Description of Artificial Sequence: primer

 <400> 16
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 <210> 17
 <211> 21
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 <400> 17
 cctgtgtatg cgaagaarct t 21

 <210> 18
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<223> Description of Artificial Sequence: primer

<400> 18

tatcgaccar ttrttgga

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<210> 19

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 19

aagmgcatca cagattcca a

21

<210> 20

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 20

tcaaccgcmc ctgagcgagc a

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